

A LIST OF THE ORTHOPTERA OF OHIO.*

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A little over a year ago the writer, at the suggestion of Prof. Herbert Osborn, began to work over the Orthoptera in the Entomological collection at the Ohio State University, with a view of eventually publishing a list of those found in Ohio. During the spring and fall, collecting was done in central Ohio and during the summer in northern Ohio, mostly in the neighborhood of Sandusky. Heretofore, very little work has been done on the grasshoppers of Ohio and nothing published. Very few references are found in the literature to Orthoptera collected in this state. The Orthoptera, in general, reach their adult condition in late summer and early fall, only a few species maturing and dying before the first of August. Some of the species listed below are fairly common in parts of Ohio and others are quite scarce.

Syrbula admirabilis (Uhler). This is a southern form with its northern range about the center of Ohio. On September 23 three females were captured at Buckeye Lake.

Orphulella speciosa (Scudder). Blatchley reports having captured but a single pair in Indiana, where it is quite scarce. Morse writes of its being common in the New England states. It is fairly plentiful in the vicinity of Columbus and Sandusky.

Hippiscus rugosus (Scudder). On September 23, a coral winged form of this species was captured at Buckeye Lake. It agrees with the descriptions of "rugosus" in all particulars except the color of the wings, which are usually lemon or orange. No mention could be found in the literature of a coral winged form.

Trimerotropis maritima (Harris) This is a very abundant species on Cedar point, where three well marked color forms occur: a light, ashy red form with the mottling on the tegmina and body indistinct; a form with the dorsal portion of the tegmina cinnamon red; and a dark gray form, the last being the most common. Specimens agreeing with "maritima" and "citrina" are present and also so many intermediate forms that it is impossible to draw a line between the two. Both have been included under "maritima" in the state list.

Spharagemon wyomingiana (Thomas). Specimens of this species were quite plentiful on Cedar Point in the woods about midway between the laboratory and the steamer landing. They could be captured there nearly any time during the summer, and were found in no other locality, either on the Point or on the mainland.

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Leptysma marginicollis Serville, has been recorded only from Florida, South Carolina and central Indiana. A single immature female was captured July 11, 1903, on Cedar Point near Black Channel.

Melanoplus viridipes Walsh-Scudder, reported hitherto only from western Indiana and Illinois. A colony of these was found in Highland county and they are fairly common in Franklin county. They are one of our spring locusts, almost never being found after the first of August.

Melanoplus blatchleyi Scudder. The range of this grasshopper is west of the Mississippi river, Marion county, Indiana, being the most easterly point from which it has been recorded. During the past summer it was captured in Franklin and Erie counties, Ohio, a single specimen being secured in each, and a careful search failed to reveal any others.

Conocephalus palustris Blatchley. This species was described from Indiana and has not been reported from any other state. Specimens are in the collection at the State University from Columbus and Castalia.

Xiphidium nemorale Scudder. This is another southern form that is found quite plentiful around Sandusky Bay.

Xiphidium strictum Scudder. The general range of this insect, as heretofore recorded, is to the west and southwest; but it is common in central and northern Ohio.

Orchelimum volantum McNeill, has been recorded only from Indiana and Illinois, but two adult specimens were captured on Cedar Point in August, 1903.

Nemobius maculatus Blatchley, reported only from Indiana, was captured in several localities in Franklin county, Ohio, this fall.

Gryllus americanus Blatchley, a recently described species from Indiana, was found near Georgesville, Franklin county in May.

The rest of the species are such as one would expect in the state, from their known range in adjacent regions.

At present there are 99 species to record for Ohio, distributed among the families as follows:

Forficulidae, 2.	Acrididae, 33.
Phasmidae, 1.	Locustidae, 29.
Blattidae, 5.	Gryllidae, 19.
Tettigidae, 10.	

The following is a list of the species so far collected in Ohio. Those marked with a *, 38 in number, have been found on Cedar Point.

FORFICULIDAE.

- **Forficula aculeata* Scudd. *Labia minor* L.

PHASMIDAE.

- **Diapheromera femorata* Say.

BLATTIDAE.

Blatta orientalis L.
Ischnoptera uhleriana Sauss.
Periplaneta americana L.

Blatella germanica (L.).
 **Ischnoptera pennsylvanica* De G.

TETTIGIDAE.

Nomotettix carinatus Burm.
Tettix granulosus Kirb.
 **Tettix arenosus* Burm.
 **Paratettix cucullatus* Burm.
 **Tettigidea parvipennis* Morse.

Nomotettix cristatus Morse.
Tettix obscurus Hanc.
 **Tettix ornatus* Harris.
Tettigidea armata Morse.
Tettigidea parvipennis pennata
 [Morse.]

ACRIDIDAE.

**Chloealtis conspersa* Harris.
Orphulella speciosa (Scudd.).
Dichromorpha viridis Scudd.
Syrbula admirabilis (Uhler).
Arphia sulphurea Fab.
Chortophaga viridifasciata De G.
Camnula pellucida (Scudd.).
Hippiscus rugosus Scudd.
 **Spharagemon bolli* Scudd.
 **Spharagemon wyomingiana* (Thom).
 **Leptysma marginicollis* (Serv).
Schistocerca alutacea Harris.
Melanoplus luridus Dodge.
Melanoplus viridipes W-S.
 **Melanoplus atlantis* (Riley).
Melanoplus differentialis (Riley).
Paroxya hoosieri (Blatchley).

**Stenobothrus curtipennis* Harris.
Orphulella pelidna Burm.
 **Tryxalis brevicornis* L.
 **Mecostethus lineatus* (Scudd.).
Arphia xanthoptera Burm.
 **Encoptolophus sordidus* Burm.
Hippiscus tuberculatus D. de B.
 **Dissosteira carolina* L.
 **Spharagemon collare* Scudd.
 **Trimerotropis maritima* Harris.
Schistocerca americana Drury.
Melanoplus gracilis Brunner.
Melanoplus scudderi Uhler.
 **Melanoplus femur-rubrum* (De G.).
Melanoplus blatchleyi Scudd.
 **Melanoplus bivittatus* Brunner.

LOCUSTIDAE.

Scudderia curvicauda Stal.
Scudderia texensis Sauss-P.
Amblycorypha rotundifolia Scudd.
Microcentrum laurifolium L.
Conocephalus palustris Blatch.
Conocephalus nebrasensis Brunner.
 **Xiphidium brevipenne* Scudd.
 **Xiphidium nigropleura* Brunner.
Xiphidium fasciatum De G.
 **Orchelimum nigripes* Scudd.
 **Orchelimum delicatum* Brunner.
Atlanticus dorsalis Burm.
Ceutophilus maculatus (Say).
Ceutophilus uhleri Scudd.
Ceutophilus sp.

**Scudderia furcata* Brunner.
 **Amblycorypha oblongifolia* De G.
Microcentrum retinerve Brunner.
Cyrtophyllus concavus Harris.
 **Conocephalus ensiger* Harris.
 **Xiphidium attenuatum* Scudd.
Xiphidium strictum Scudd.
Xiphidium nemorale Scudd.
 **Orchelimum vulgare* Harris.
 **Orchelimum campestre* Blatchley.
 **Orchelimum volantum* Mc Neill.
Atlanticus pachymerus Burm.
Ceutophilus blatchleyi Scudd.
Ceutophilus terrestris Scudd.

GRYLLIDAE.

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| Gryllotalpa borealis Burm. | Tridactylus apicalis Say. |
| *Gryllus abbreviatus Serv. | Gryllus americanus Blatchley. |
| Gryllus domesticus L. | *Nemobius fasciatus (De G.). |
| Nemobius canus Scudd. | Nemobius exiguus Scudd. |
| *Nemobius carolinus Scudd. | Nemobius maculatus Blatchley. |
| Oecanthus angustipennis Fitch. | Oecanthus bipunctatus De G. |
| *Oecanthus 4-punctatus Beut. | Oecanthus niveus De G. |
| Oecanthus latipennis Riley. | *Oecanthus fasciatus Fitch. |
| *Anaxipha exigua Say. | Phylloscirtus pulchellus Uhler. |
| [Ohio State University.] | |
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